

Two-Stage General Purpose RFI Power Line Filter

R Series

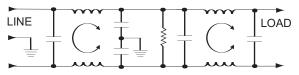


UL Recognized CSA Certified VDE Approved

R Series

The dual T section RFI power line filters provide premium performance at moderate cost. They are well suited for low impedance loads where noisy RFI environments are present. They control pulsed, continuous and/or intermittent interference, providing protection to your equipment from power line noise in addition to protecting the line from equipment noise. The R series dual T type provides low leakage current without deterioration of insertion loss characteristics and at a competitive cost. The ER models meet the low leakage current requirements of VDE portable equipment, and (120 Volt) UL2601 non-patient medical equipment.

Electrical Schematic

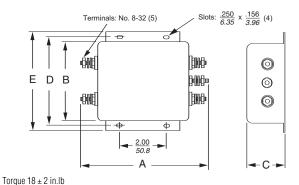


Resistor location for reference only.

Case Style

20VR6

Note: Same layout for 20VR1 and 20ER1, except .250 [6.35] (5) terminals replace Screw Terminals of 20VR6.



iwu-staye deneral Purpuse nri Puwer Line Filter



Specifications

Maximum	leakage	current, each	line-to-ground
			VR Modele

	VR Models	ER Models
@ 120 VAC 60 Hz:	.4 mA	.21 mA
@ 250 VAC 50 Hz:	.7 mA	.36 mA
Hipot rating (one minute):		
line-to-ground		2250 VDC
line-to-line		1450 VDC
Operating frequency:		50/60 Hz
Rated voltage (max.):		250 VAC

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current	Frequency-MHz					
Rating	.15	.5	1	5	10	30
VR Models						
1A, 3A	30	65	65	65	65	65
2A, 5A, 10A, 20A	5	44	60	65	65	60
ER Models						
1A, 3A	25	60	65	65	65	65
2A, 5A, 10A, 20A	2	35	51	63	60	50

Line-to-line in 50 ohm circuit

Current	Frequency-MHz					
Rating	.15	.5	1	5	10	30
VR, ER Models						
1A, 3A	_	_	65	60	54	46
2A, 5A, 10A, 20A		_	35	60	57	45

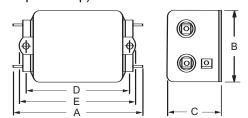


Two-Stage General Purpose RFI Power Line Filter (Continued)

R Series

Case Styles

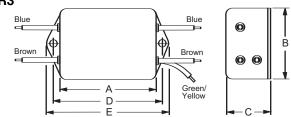
R1 (except 20 Amp)



Typical dimensions:

Terminals: .250 [6.35] (5) Holes: .07 [1.8] Dia.(4) Mounting Holes: .188 [4.78] Dia. (2) Slot: .07 x .16 [1.8 x 4.1]

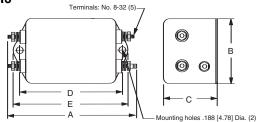
R3



Typical dimensions: Wire leads: 4.0 [101.6] Min.

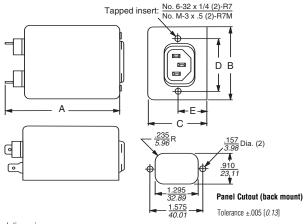
Mounting Holes: .188 [4.78] Dia. (2)

10VR6



Torque: 18 ± 2 in.lb

R7 & R7M (with metric insert)



Typical dimensions:

Terminals: .250 [6.35] (5) Holes: .07 [1.8] Dia.(4) Mounting Holes: .188 [4.78] Dia. (2) Slot: .07 x .16 [1.8 x 4.1]

Case Dimensions

	Α	В	С	D	Е
Part No.	(max)	(max)	(max)	± .015 ± .38	(max)
1VR1, 1ER1,	3.35	1.81	1.16	2.375	2.78
2VR1, 2ER1	85.1	46.0	29.5	60.33	70.6
1VR3, 1ER3,	2.07	1.81	1.16	2.375	2.78
2VR3, 2ER3	52.6	46.0	29.5	60.33	70.6
3VR1, 3ER1,	3.85	2.07	1.16	2.938	3.35
5VR1, 5ER1	97.8	52.6	29.5	74.63	85.1
3VR3, 3ER3,	2.56	2.07	1.16	2.938	3.35
5VR3, 5ER3	65.0	52.6	29.5	74.63	85.1
3VR7, 3VR7M,	4.33	2.25	1.28	1.575	0.64
3ER7, 3ER7M	110.0	57.2	32.5	40.01	16.3
5VR7, 5VR7M,	4.33	2.25	1.28	1.575	0.64
5ER7, 5ER7M	110.0	57.2	32.5	40.01	16.3
10VR1, 10ER1	3.85	2.07	1.53	2.938	3.35
TOVITI, TOLITI	97.8	52.6	38.9	74.63	85.1
10VR3, 10ER3	2.56	2.07	1.53	2.938	3.35
TOVITO, TOLITO	65.0	52.6	38.9	74.63	85.1
10VR6	3.96	2.07	1.53	2.938	3.35
10 110	100.6	52.6	38.9	74.63	85.1
10VR7, 10VR7M,	4.33	2.25	1.53	1.575	0.88
10ER7, 10ER7M	110.0	57.2	38.9	40.01	22.4
20VR1, 20ER1	5.23	3.37	1.53	3.75	4.20
20VR6	132.8	85.6	38.9	95.25	106.7

† ±.02 [±.5]

Part Numbers

1VR1 1VR3 2VR1 2VR3 3VR1 3VR3 3VR7 3VR7M 5VR1 5VR3 5VR7 5VR7 10VR1 10VR3 10VR6 10VR7	1ER1 1ER3 2ER1 2ER3 3ER1 3ER3 3ER7 3ER7M 5ER1 5ER3 5ER7 5ER7M 10ER1 10ER3 10ER7 10ER7M 20ER1
10VR7M 20VR1 20VR6	20ER1
Line Cord (R7/R7M):	GA400